

PURPOSE ENTERED
09/16/05

U.S.S.N. 10/602,031 (6/23/03) -- 21 --

December 6, 2004

REMARKS

The paragraphs submitted for insertion into the specification add definitions of the terms "capacitor", "capacitance", and "displacement current" and add clarity to the definition of "quality factor". These terms and their definitions are well known by those skilled in the art of electronics. However, including added paragraphs improves the clarity of the specification.

A copy of page 823 of volume 2 of the Encyclopedia Britannica, 1995 printing, is enclosed to support that the paragraphs submitted for insertion are not new matter. A copy of the page containing the definition of Q in volume 14 of the McGraw-Hill encyclopedia of science & technology, 9th edition is enclosed to further support that the paragraphs presented for insertion are not new matter.

It is respectfully submitted that the definition of "capacitance" contained in the proposed amendment is derived from the definition presented in the first, third, fourth, and fifth paragraphs of the Encyclopedia Britannica article on capacitance.

It is respectfully submitted that the definition of "capacitor" contained in the proposed amendment is derived from the definition presented in the third and fifth paragraphs of the Encyclopedia Britannica article except for the substitution of the word "electrode" where the word "plate" is used in the Encyclopedia Britannica article.

It is respectfully submitted that the definition of "displacement current" contained in the proposed amendment is equivalent to the definition presented in the last paragraph of the Encyclopedia Britannica article.